

U.A

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(additive same image same dither same value same pixel same frame same temporal) .clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 15:45
L2	0	(additive same image same dither same pixel same temporal) .clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 15:30
L3	0	(additive same image same dither same pixel same temporal) .clm.	US-PGPUB	OR	ON	2007/11/20 15:31
L4	0	(pattern same image same dither same pixel same temporal) .clm.	US-PGPUB	OR	ON	2007/11/20 15:31
L5	1	(pattern same image same dither same pixel same temporal) .clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:05
L6	0	(additive same image same dither same value same pixel same frame same temporal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 15:46
L7	0	(additive same image same dither same value same pixel) and (frame same temporal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 15:46
L8	2	("5111310").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/20 16:05

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L9	4857	spatio\$10 or (spatio same temporal) and array and (dither adj5 pattern) and pixel and (color adj4 channel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L10	3128	L9 and @ad <= "20030930"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L11	320	L10 and temporal adj5 frame	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L12	16	L11 and (dispersed or scatter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L13	2	("20050068463").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/20 16:46
L14	529	repellent near2 function	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L15	2	("6573928").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/20 16:46

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L16	119	L14 and @rlad <= "20030930"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L17	16	L16 and spatio\$10 or (spatio same temporal) and array and dither and pixel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L18	0	reppelent near2 function	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L19	211	L14 and @prad <= "20030930"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L20	2	("20050068463").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/20 16:46
L21	16	L19 and spatio\$10 or (spatio same temporal) and array and dither and pixel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L22	2	EP near3 "1521450"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46

EAST Search History

L23	1593	convolution near2 kernel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L24	612	L23 and @rlad <= "20030930"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L25	185	L24 and dither and pixel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L26	5	L25 and (dither near4 pattern)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L27	0	EP1521450	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L28	2	("6950211").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/20 16:46
L29	4857	spatio\$10 or (spatio same temporal) and array and (dither adj5 pattern) and pixel and (color adj4 channel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46

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L30	3128	L29 and @ad <= "20030930"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L31	320	L30 and temporal adj5 frame	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L32	529	repellent near2 function	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L33	119	L32 and @rlad <= "20030930"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L34	0	reppelent near2 function	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L35	211	L32 and @prad <= "20030930"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L36	16	L35 and spatio\$10 or (spatio same temporal) and array and dither and pixel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46

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L37	1593	convolution near2 kernel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L38	612	L37 and @rlad <= "20030930"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L39	185	L38 and dither and pixel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L40	0	EP1521450	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L41	16	L31 and (dispersed or scatter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L42	2	("20050068463").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/20 16:46
L43	2	("6573928").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/20 16:46

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L44	16	L33 and spatio\$10 or (spatio same temporal) and array and dither and pixel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L45	2	("20050068463").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/20 16:46
L46	5	L39 and (dither near4 pattern)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L47	2	EP near3 "1521450"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L48	2	("6950211").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/20 16:46
L49	2	("5983251").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/20 16:46
L50	2	("20060221366").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/20 16:46

EAST Search History

L51	2	("5,469,515").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/20 16:46
L52	69	(FENG near XIAO-FAN)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L53	2	("4675532").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/20 16:46
L54	152	(DALY near SCOTT)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L55	2	("7098927").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/20 16:46
L56	1608	(pixel same value same temporal same frame)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L57	2	("6281942").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/20 16:46

EAST Search History

L58	2	("6091849").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/20 16:46
L59	13	L52 and (pixel same value same temporal same frame)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L60	205	(345/596).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:53
L61	37	L60 and @rlad <= "20030930"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:54
L62	12	L54 and (pixel same value same temporal same frame)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:46
L63	198	(345/597).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:53
L64	553	(345/611).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:53

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L65	39	63 and @rlad <= "20030930"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:54
L66	154	64 and @rlad <= "20030930"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/20 16:54


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 Terms used: additive image dither pattern

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1 [Digital halftoning with space filling curves](#)



Luiz Velho, Jonas de Miranda Gomes

 July 1991 **ACM SIGGRAPH Computer Graphics , Proceedings of the 18th annual conference on Computer graphics and interactive techniques SIGGRAPH '91**, Volume 25 Issue 4

Publisher: ACM Press

 Full text available: [pdf\(2.92 MB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper introduces a new digital halftoning technique that uses space filling curves to generate aperiodic patterns of clustered dots. This method allows the parameterization of the size of pixel clusters, which can vary in one pixel steps. The algorithm unifies, in this way, the dispersed and clustered-dot dithering techniques.

Keywords: bilevel display, digital halftoning, dithering, quantization, space filling curves

2 [Color quantization by dynamic programming and principal analysis](#)



Xiaolin Wu

 October 1992 **ACM Transactions on Graphics (TOG)**, Volume 11 Issue 4

Publisher: ACM Press

 Full text available: [pdf\(9.47 MB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Color quantization is a process of choosing a set of K representative colors to approximate the N colors of an image, $K < N$, such that the resulting K-color image looks as much like the original N-color image as possible. This is an optimization problem known to be NP-complete in K. However, this paper shows that by ordering the N colors along their principal axis and pa ...

Keywords: algorithm analysis, clustering, color quantization, dynamic programming, principal analysis

3 [Space diffusion: an improved parallel halftoning technique using space-filling curves](#)



Yuefeng Zhang, Robert E. Webber

 September 1993 **Proceedings of the 20th annual conference on Computer graphics and interactive techniques SIGGRAPH '93**

Publisher: ACM Press



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